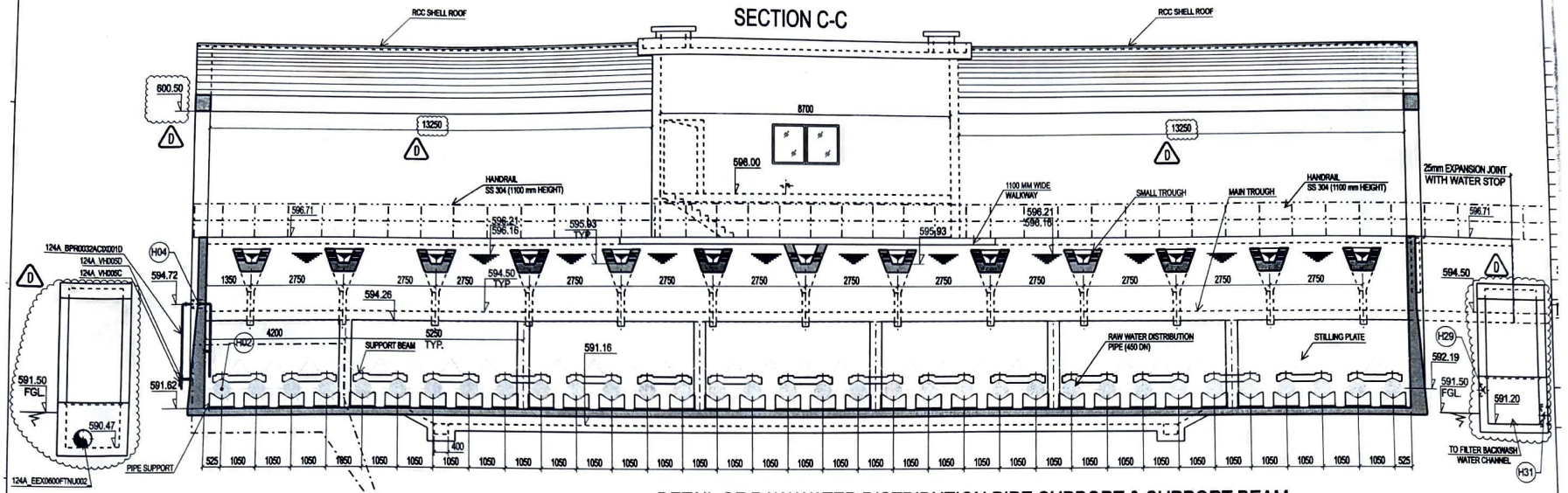
TECHNICAL PROPERTIES

SuperHD Cement Board (Heavy Duty Board conforming to IS 14862: Type A - Category IV)

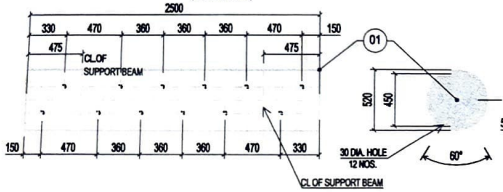
DESCRIPTION	UNIT	STANDARDS	VALUE
IS Code			IS 14862
Board Type as per IS Code			TYPE A
Board Category as per IS Code			CATEGORY - IV
Apparent Density	Kg/m^3	IS 14862	> 1450
Minimum Modulus of Rupture (MOR): (in Wet Condition)	MPa	IS 14862	> 13
Adhesion Lamina Test	MPa	ASTM D 1037	> 0.8
Modulus of Elasticity	MPa	EN 12467:2013 + A2:2018	11905
Thermal Conductivity at 50^0C (Mean Temp)	W/mk	ASTM C 518	0.22
Sound Absorption	dB	DIN 52210	33 for 9mm
Moisture Content (at EMC)	%	ASTM D 1037	< 5
Water Absorption	%	ASTM D 1037	< 26
Freeze - Thaw resistance (50 Cycles)		EN 12467:2013 + A2:2018	Pass
Warm Water Resistance (56 Days)		EN 12467:2013 + A2:2018	Pass
Soak - Dry Resistance (25 Cycles)		EN 12467:2013 + A2:2018	Pass
Heat - Rain Resistance (25 Cycles)		EN 12467:2013 + A2:2018	Pass
Early Fire Hazard Indices			
PROPERTY			RESULT
Flame Spread Index		ASTM E84- 18b	0*
Smoke Developed Index		ASTM E84- 18b	0*
Reaction to Fire		EN 13501: Part-I	A2- s1-d0
Resistance to Fire			
Combustibility		BS 476 Part IV	Non combustible
Ignitability		BS 476 Part V	Class "P"-not easily ignited
Fire Propagation Index		BS 476 Part VI	Pass
Surface Spread of Flame		BS 476 Part VII	Class - 1

SECTION C-C

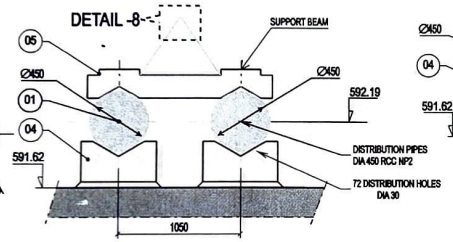


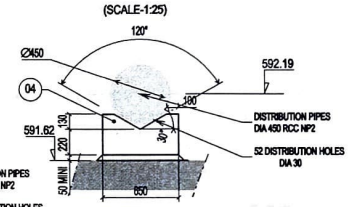
DETAIL OF RAW WATER DISTRIBUTION PIPE SUPPORT & SUPPORT BEAM

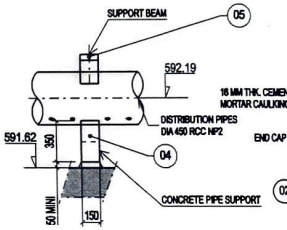
DISTRIBUTION PIPE
(SCALE-1:25)



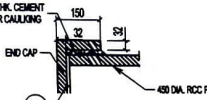
DETAIL -8
(SCALE-1:25)



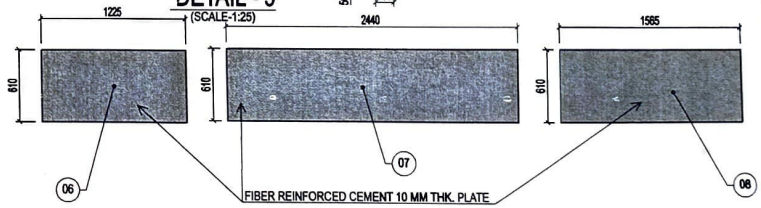




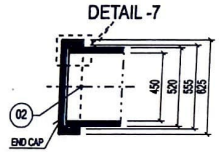
DETAIL - 7
(SCALE-1:10)



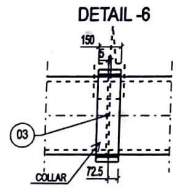
DETAIL - 9
(SCALE-1:25)



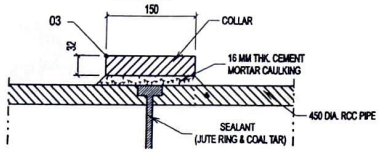
DETAIL - 4
(SCALE-1:20)



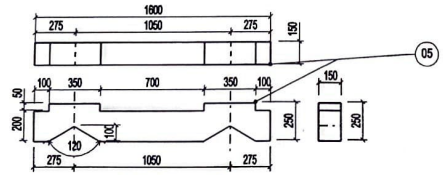
DETAIL - 5
(SCALE-1:20)



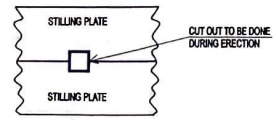
DETAIL - 6
(SCALE-1:5)



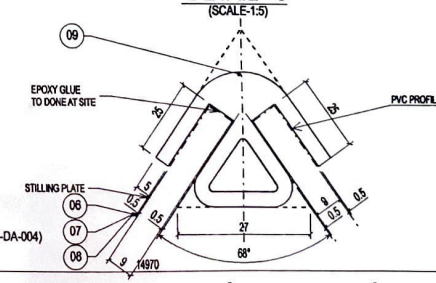
DETAIL OF PRECAST CONCRETE SUPPORT FOR STILLING PIPE
(SCALE-1:20)



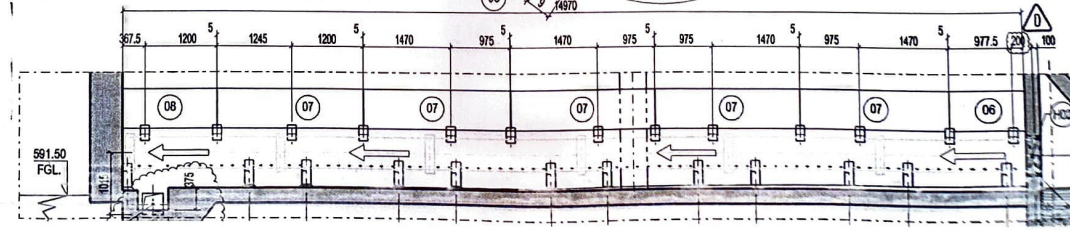
DETAIL - 12
(REFER DWG NO-1105-DGT-PB-124-DA-004)
(SCALE-1:100)

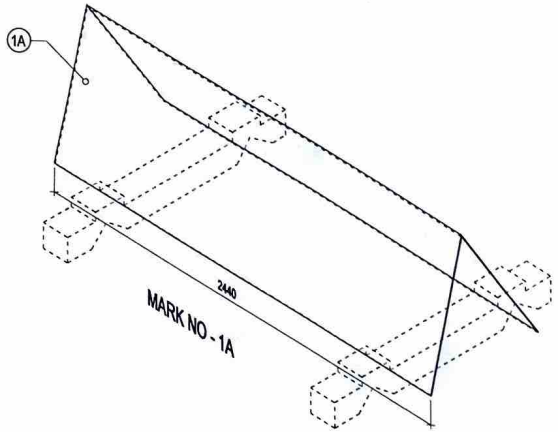


DETAIL - 8
(SCALE-1:5)

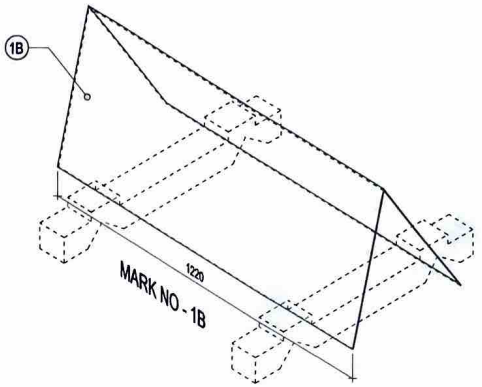


SECTION F-F
(REFER DWG NO-1105-DGT-PB-124-DA-004)
(SCALE-1:50)

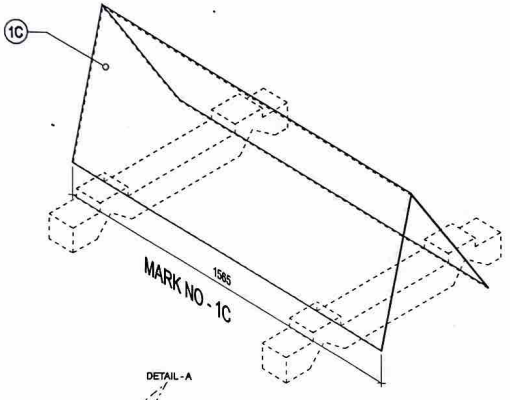




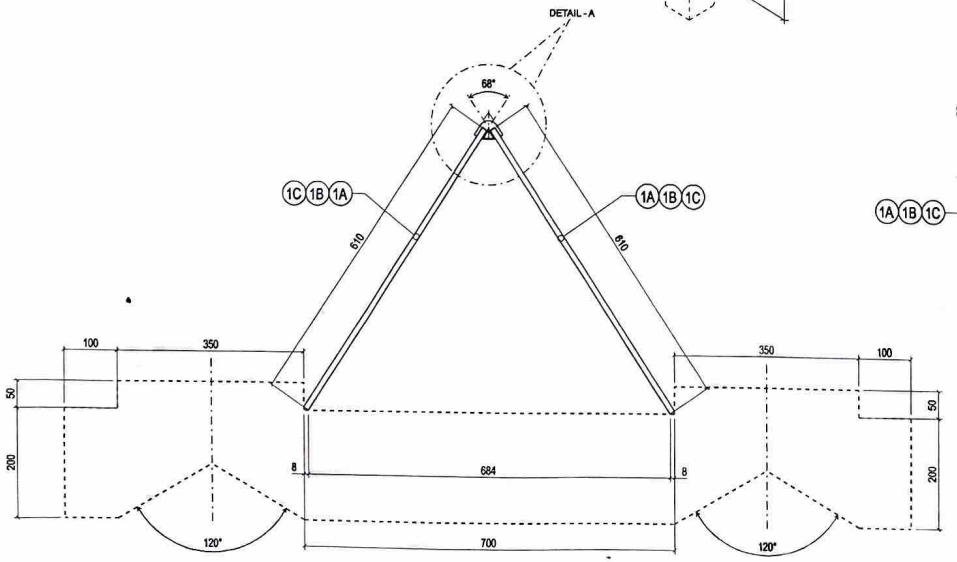
MARK NO - 1A

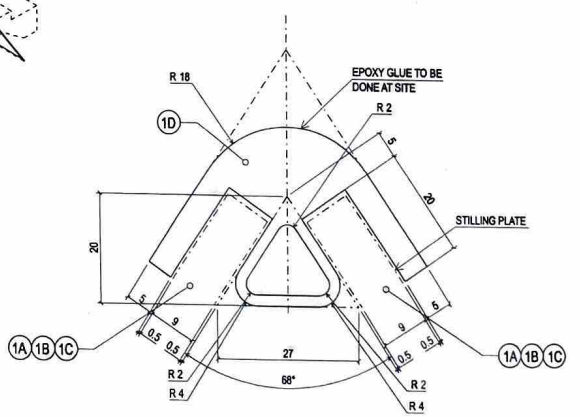


MARK NO - 1B



MARK NO - 1C





PVC PROFILE DETAIL - A

MARK NO - 1D

(SCALE 2 : 1)

FOR SITE AND CONSTRUCTION PURPOSE ONLY